

Applicants : BERMUDEZ, et al.
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1. - 9. (Canceled)

10. (Originally Canceled)

11. - 18. (Canceled)

19. - 24. (Originally Canceled)

Please add the following new claims 25-43, as follows:

25. (New) A Salmonella strain which expresses F' pilus and produces filamentous bacteriophage and is capable of targeting tumors by intravenous administration.

26. (New) A Salmonella strain which expresses F' pilus and produces filamentous bacteriophage and is capable of targeting tumors by intravenous administration and producing phage directly within tumors.

27. (New) The Salmonella according to Claim 25, wherein the Salmonella is attenuated.

28. (New) The Salmonella according to Claim 26, wherein the Salmonella is attenuated.

29. (New) A composition comprising the Salmonella of claim 25.

30. (New) A composition comprising the Salmonella of claim 26.

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31. (New) The composition according to Claim 29, wherein the Salmonella is attenuated.

32. (New) The composition according to Claim 30, wherein the Salmonella is attenuated.

33. (New) The composition according to Claim 31 in which the Salmonella strain is attenuated by an msbB- mutation.

34. (New) The composition according to Claim 31 in which the Salmonella is attenuated by a pur- mutation.

35. (New) The composition according to Claim 32 in which the Salmonella strain is attenuated by an msbB- mutation.

36. (New) The composition according to Claim 32 in which the Salmonella is attenuated by a pur- mutation.

37. (New) A method for delivering filamentous bacteriophage to solid tumors by intravenous administration of attenuated tumor-targeted Salmonella engineered to contain a filamentous bacteriophage of interest.

38. (New) A kit comprising an attenuated, tumor-targeting Salmonella expressing F' pilus suitable for delivery of a filamentous bacteriophage cloning vector to tumors by intravenous administration.

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39. (New) A kit according to claim 38 in which the filamentous bacteriophage cloning vector possesses a eukaryotic promoter.

40. (New) The Salmonella according to claim 25, wherein the Salmonella is capable of delivering between 2.7×10^9 p.f.u. (plaque forming unit)/gram and 4.6×10^{11} p.f.u./gram of phage to tumors.

41. (New) The Salmonella according to claim 26, wherein the Salmonella is capable of delivering between 2.7×10^9 gram p.f.u./gram and 4.6×10^{11} p.f.u./gram of phage to tumors.

42. (New) The Salmonella according to claim 27, wherein the Salmonella is capable of delivering between 2.7×10^9 p.f.u./gram and 5.9×10^9 p.f.u./gram of phage to tumors.

43. (New) The Salmonella according to claim 28, wherein the Salmonella is capable of delivering between 2.7×10^9 p.f.u./gram and 5.9×10^9 p.f.u./gram of phage to tumors.